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**From:** Reddy - CDPHE, Patrick [patrick.reddy@state.co.us]  
**Sent:** 1/30/2014 9:27:39 PM  
**To:** Yoshida, Yasuko [yasuko.yoshida-1@nasa.gov]  
**CC:** Duncan, Bryan N. (GSFC-6140) [bryan.n.duncan@nasa.gov]; Tonnesen, Gail [Tonnesen.Gail@epa.gov]  
**Subject:** Re: Colorado ozone observations

The April 6 and May 24 events I mentioned were actually for 2010. My apologies. We have flagged the potential intrusion dates in Colorado in 2012 in the AQS data set. I will send you a full list of these on Monday when I am back in the office.

Cheers.

On Wed, Jan 29, 2014 at 3:01 PM, Yoshida, Yasuko <[yasuko.yoshida-1@nasa.gov](mailto:yasuko.yoshida-1@nasa.gov)> wrote:  
Hi Patric,

Thank you for your prompt reply and useful information regarding the intrusion event.  
I've downloaded hourly ozone data from the link.

Best,

Yasuko

On Jan 29, 2014, at 4:07 PM, Reddy - CDPHE, Patrick <[patrick.reddy@state.co.us](mailto:patrick.reddy@state.co.us)> wrote:

Hi Bryan,

I have been getting many requests for data and analyses this week and haven't had a chance to reply to your earlier e-mail. I hope to get to it soon. I have attached a file with the daily max 8-hour O3 for 2012 for Colorado. I generated this file at the following EPA website:

[http://www.epa.gov/airdata/ad\\_data\\_daily.html](http://www.epa.gov/airdata/ad_data_daily.html)

Hourly ozone data for the whole country by year can be found here at the bottom of the page:

<http://www.epa.gov/ttn/airs/airsaqs/detaildata/downloadaqsdta.htm>

I think these EPA files include the CASTNET and NPS sites in the mountains, if not go here:

<http://java.epa.gov/castnet/clearsession.do>

and:

<http://www.nature.nps.gov/air/monitoring/network.cfm#data>

April 6 2012 had an intrusion in Colorado that was a bit too weak for us to write up. May 24 saw a major intrusion described here:

[http://www.colorado.gov/airquality/tech\\_doc\\_repository.aspx?action=open&file=TSD\\_O3\\_Intrusion\\_Event\\_052410.pdf](http://www.colorado.gov/airquality/tech_doc_repository.aspx?action=open&file=TSD_O3_Intrusion_Event_052410.pdf)

Regards,

On Wed, Jan 29, 2014 at 11:21 AM, Duncan, Bryan N. (GSFC-6140)  
<[bryan.n.duncan@nasa.gov](mailto:bryan.n.duncan@nasa.gov)> wrote:

Hi Patrick,

Can you point me to AQS ozone observations in Colorado in April 2012? We've done a simulation of a stratospheric intrusion that occurred around April 6<sup>th</sup>. We'd like to use the data to verify the model's concentration, location of the intrusion, timing, etc.

Better yet, we'd like data for the mountainous states for the last 5-10 years as we've also simulated a 2009 intrusion as well.

I've cc'ed Yasuko who will do the comparison.

Thanks, Bryan

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Bryan N. Duncan

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